

09/585,009

=> d his

(FILE 'HOME' ENTERED AT 09:40:11 ON 10 SEP 2001)

FILE 'CA' ENTERED AT 09:40:19 ON 10 SEP 2001  
E SMITH KIM R/IN  
L1 67 S E3-E4  
E MAN VICTOR FUK PONG/IN  
L2 16 S E2-E4  
E WISETH WENDY/IN  
L3 3 S E3-E4  
E STARDIG RICHARD/IN  
L4 189 S (HYDRAT? OR DIHYDRAT?) (6A) (SILICATE# OR METASILICATE# OR  
PHOS  
L5 88944 S DETERGENT# OR DETERSIVE# OR TENSIDE#  
L6 6 S L4 AND L5  
L7 284 S (HYDRAT? OR DIHYDRAT?) (6A) (SILICATE# OR METASILICATE# OR  
PHOS  
L8 6 S L7 AND L5  
L9 0 S L8 NOT L6  
L10 183 S L4 NOT L6  
L11 176 S (HYDRAT? OR DIHYDRAT?) (6A) (SILICATE# OR METASILICATE# OR  
PHOS  
L12 14 S (HYDRAT? OR DIHYDRAT?) (6A) (SILICATE# OR METASILICATE# OR  
PHOS  
L13 793 S TABLET? (P) (EXTRUSION OR EXTRUD? OR CAST###)  
L14 18 S TABLET? (P) (EXTRUSION OR EXTRUD? OR CAST###) (P) (DETERGENT#  
OR  
L15 0 S TABLET? (P) (EXTRUSION OR EXTRUD?) (P) (CAST OR CASTING OR  
CASTED  
L16 0 S TABLET? (P) (EXTRUSION OR EXTRUD?) (P) (CAST OR CASTING OR  
CASTED  
L17 1848 S BUTOXYETHANOL OR BUTOXY ETHANOL OR  
MONOETHYLENEGLYCOL(W) BUTYL  
L18 0 S L7 AND L17  
L19 41421 S GLYCOL(2W) ETHER#  
L20 4 S L7 AND L19  
L21 0 S L8 AND L17  
E ENZYME# OR PROTEASE# OR CELLULASE#  
L22 793632 S ENZYME# OR PROTEASE# OR CELLULASE#  
L23 4 S L7 AND L22  
L24 85571 S ANTIMICROB? OR ANTIBACTER?  
L25 2 S L7 AND L24

FILE 'USPATFULL' ENTERED AT 10:18:17 ON 10 SEP 2001

L26 36 S (HYDRAT? OR DIHYDRAT?) (6A) (SILICATE# OR METASILICATE# OR  
PHOS  
L27 0 S L26 AND L17  
L28 16 S L26 AND L22  
L29 6 S L26 AND L19  
L30 2 S L26 AND L24  
L31 952 S GLYCOL(5W) ETHER# (P) (BUTOXYETHANOL OR BUTOXY ETHANOL)  
L32 180253 S EXTRUSION OR EXTRUD?  
L33 84 S L31 AND L32  
L34 14 S L33 AND L5

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=> d 1-6 16 ti

L6 ANSWER 1 OF 6 CA COPYRIGHT 2001 ACS  
TI Washing dishes with a solid block containing **detergents**  
comprising water-soluble alkali metal salts and surfactants containing  
amine oxides

L6 ANSWER 2 OF 6 CA COPYRIGHT 2001 ACS  
TI Solid cleaning compositions based on hydrated salts

L6 ANSWER 3 OF 6 CA COPYRIGHT 2001 ACS  
TI Solid cast warewashing composition having a high level of available  
chlorine and its preparation

L6 ANSWER 4 OF 6 CA COPYRIGHT 2001 ACS  
TI Solid cast warewashing composition containing metasilicate, phosphate,  
and  
bleach and useful in automatic washing machines

L6 ANSWER 5 OF 6 CA COPYRIGHT 2001 ACS  
TI **Detergent** bar compositions

L6 ANSWER 6 OF 6 CA COPYRIGHT 2001 ACS  
TI Petroleum coke composition

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L12 14 (HYDRAT? OR DIHYDRAT?) (6A) (SILICATE# OR METASILICATE# OR  
PHOSPHATE# OR PYROPHOSPHATE# OR TRIPOLYPHOSPHATE# OR SULFATE# OR  
CARBONATE# OR SESQUICARBONATE# OR BISULFATE# OR THIOSULFATE# OR  
PERCARBOBONATE#) (P) TABLET? (P) (DETERGENT# OR DETERSIVE# OR TENSIDE# OR  
CLEAN?)

=> d 1-14 112 ti

L12 ANSWER 1 OF 14 CA COPYRIGHT 2001 ACS  
TI Dishwashing detergent tablet formulation with hydrated potassium citrate  
dissolution aid

L12 ANSWER 2 OF 14 CA COPYRIGHT 2001 ACS  
TI **Tablet detergent** compositions containing sodium  
**tripolyphosphate** rich in Phase I and **hydratable** salt

L12 ANSWER 3 OF 14 CA COPYRIGHT 2001 ACS  
TI **Tablet detergent** compns. contg. sodium  
**tripolyphosphate** and fully **hydrated** salts

L12 ANSWER 4 OF 14 CA COPYRIGHT 2001 ACS  
TI Powdered automatic dishwashing tablets

L12 ANSWER 5 OF 14 CA COPYRIGHT 2001 ACS  
TI Water-softening and detergent compositions

L12 ANSWER 6 OF 14 CA COPYRIGHT 2001 ACS  
TI Laundry cleaning compositions in tablet form

L12 ANSWER 7 OF 14 CA COPYRIGHT 2001 ACS  
TI Manufacture of tabletted detergent compositions

L12 ANSWER 8 OF 14 CA COPYRIGHT 2001 ACS  
TI Detergent tablets

L12 ANSWER 9 OF 14 CA COPYRIGHT 2001 ACS  
TI Detergent compositions in hard tablet form and increasing hardness of  
tablets

L12 ANSWER 10 OF 14 CA COPYRIGHT 2001 ACS  
TI Sequestrant binding of water in tableting of high-caustic detergents for  
improved stability

L12 ANSWER 11 OF 14 CA COPYRIGHT 2001 ACS  
TI Preparation of detergent tablets for dishwashers

L12 ANSWER 12 OF 14 CA COPYRIGHT 2001 ACS  
TI Cleaning composition tablets

L12 ANSWER 13 OF 14 CA COPYRIGHT 2001 ACS  
TI Detergents in tablet form

L12 ANSWER 14 OF 14 CA COPYRIGHT 2001 ACS  
TI Strong, fast-dissolving detergent tablets

12 ANSWER 13 OF 14 CA COPYRIGHT 2001 ACS

AN 70:12851 CA

TI Detergents in tablet form

IN Van Kampen, Daniel M.; Kerkhoven, Frederik J.; Van der Star, Willem

PA Unilever N. V.

SO Ger., 4 pp.

CODEN: GWXXAW

DT Patent

LA German

IC C11D

CC 46 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI DE 1277496 19680912

PRAI NL 19630204

AB From 40 to 60% 30-100% hydrated Na<sub>5</sub>P<sub>3</sub>O<sub>10</sub> (I) and (or) Na<sub>4</sub>P<sub>2</sub>O<sub>7</sub> are mixed in

dry form with dry **detergents** consisting, e.g., of a blend of propylene benzenesulfonate, nonylphenol- and tallow fatty alc.-ethylene oxide condensate, Na soap, Na<sub>2</sub>SiO<sub>3</sub>, Na<sub>2</sub>SO<sub>4</sub>, Na-CMC, an optical brightener,

a perfume and Na<sub>3</sub>BO<sub>3</sub> and then compressed into **tablets**. The soln. time of **tablets** made with **hydrated phosphates** is much less than that of **tablets** made from nonhydrated TSPP and STPP.

ST **detergents tablets; tablets**

**detergents; phosphates in detergents; hydrated**

**Na phosphates**

IT **Detergents, preparation**

(sulfonated, **hydrated phosphate**-contg.  
**tablets** of)

IT 7722-88-5

RL: TEM (Technical or engineered material use); USES (Uses)  
(detergent tablets contg. sulfonated detergents and)

IT 22903-76-0

RL: TEM (Technical or engineered material use); USES (Uses)  
(detergent tablets contg. sulfonated surfactants and)

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L26 36 (HYDRAT? OR DIHYDRAT?) (6A) (SILICATE# OR METASILICATE# OR  
PHOSPHATE# OR PYROPHOSPHATE# OR TRIPOLYPHOSPHATE# OR SULFATE# OR  
CARBONATE# OR SESQUICARBONATE# OR BISULFATE# OR THIOSULFATE# OR  
PERCARBONATE#) (P) (EXTRUD? OR EXTRUSION OR CAST?) (P) DETERGENT#

=> d 1-36 126 ti

L26 ANSWER 1 OF 36 USPATFULL  
TI Binding agent for solid block functional material

L26 ANSWER 2 OF 36 USPATFULL  
TI Stable solid block detergent composition

L26 ANSWER 3 OF 36 USPATFULL  
TI Method of removing waxy/fatty soils from ware with a combination of a  
nonionic silicone surfactant and a nonionic surfactant

L26 ANSWER 4 OF 36 USPATFULL  
TI Stable solid block metal protecting warewashing detergent composition

L26 ANSWER 5 OF 36 USPATFULL  
TI Built automatic dishwashing compositions comprising blooming perfume

L26 ANSWER 6 OF 36 USPATFULL  
TI Method of making highly alkaline solid cleaning compositions

L26 ANSWER 7 OF 36 USPATFULL  
TI Method of making non-caustic solid cleaning compositions

L26 ANSWER 8 OF 36 USPATFULL  
TI Toilet bowl detergent system containing blooming perfume

L26 ANSWER 9 OF 36 USPATFULL  
TI Stratified solid cast detergent compositions

L26 ANSWER 10 OF 36 USPATFULL  
TI Block detergent containing nitrilotriacetic acid

L26 ANSWER 11 OF 36 USPATFULL  
TI Block detergent containing nitrilotriacetic acid

L26 ANSWER 12 OF 36 USPATFULL  
TI Stratified solid cast detergent compositions and methods of making same

L26 ANSWER 13 OF 36 USPATFULL  
TI Block detergent containing nitrilotriacetic acid

L26 ANSWER 14 OF 36 USPATFULL  
TI Block detergent containing nitrilotriacetic acid

L26 ANSWER 15 OF 36 USPATFULL  
TI Urea containing internally-carbonated non-detergent cleaning  
composition  
and method of use

L26 ANSWER 16 OF 36 USPATFULL  
TI Low temperature cast detergent-containing article and method of making and using

L26 ANSWER 17 OF 36 USPATFULL  
TI Detergent laundry bar with improved formulation and process

L26 ANSWER 18 OF 36 USPATFULL  
TI Process for producing moldable detergents having a stable available chlorine concentration

L26 ANSWER 19 OF 36 USPATFULL  
TI Process for manufacturing alkyl polysaccharide detergent laundry bar

L26 ANSWER 20 OF 36 USPATFULL  
TI Detergent laundry bars having improved hardness and process for manufacture thereof

L26 ANSWER 21 OF 36 USPATFULL  
TI Solid cast warewashing composition; encapsulated bleach source

L26 ANSWER 22 OF 36 USPATFULL  
TI Solid cast warewashing composition and process for preparing the same

L26 ANSWER 23 OF 36 USPATFULL  
TI Multilayer detergent in block form

L26 ANSWER 24 OF 36 USPATFULL  
TI Breakage resistant higher fatty alcohol sulfate detergent laundry bars

L26 ANSWER 25 OF 36 USPATFULL  
TI Foaming testing apparatus which yields results correlatable to hand washing of laundry

L26 ANSWER 26 OF 36 USPATFULL  
TI Detergent supply pack and process for production

L26 ANSWER 27 OF 36 USPATFULL  
TI Solid alkaline detergent and process for making the same

L26 ANSWER 28 OF 36 USPATFULL  
TI Method of making solid cast alkaline detergent composition

L26 ANSWER 29 OF 36 USPATFULL  
TI Alkyl ethoxylate sulfate detergent laundry bars and processes for manufacture thereof

L26 ANSWER 30 OF 36 USPATFULL  
TI Alpha-sulfo-fatty acid ester and/or amide salt(s) detergent laundry bars and processes for manufacture thereof

L26 ANSWER 31 OF 36 USPATFULL  
TI Alpha-sulfo-higher fatty acid-lower alcohol ester- and amide-based detergent laundry bars and process for manufacture thereof

L26 ANSWER 32 OF 36 USPATFULL  
TI Solid cast detergents containing encapsulated halogen bleaches and

methods of preparation and use

L26 ANSWER 33 OF 36 USPATFULL  
TI Sodium higher fatty alkyl sulfate detergent laundry bars and process  
for manufacture thereof

L26 ANSWER 34 OF 36 USPATFULL  
TI Alkyl phosphoric salt-hydrocarbon wax lather controlled detergent  
compositions

L26 ANSWER 35 OF 36 USPATFULL  
TI Alkyl phosphoric acid polyvalent salts-mineral oil lather controlled  
detergent compositions

L26 ANSWER 36 OF 36 USPATFULL  
TI SYNTHETIC DETERGENT IN BAR OR CAKE FORM AND THE METHOD TO MANUFACTURE  
SAME

=>

> d 1 11

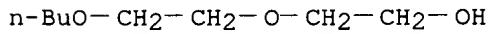
L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS  
RN 111-76-2 REGISTRY  
CN Ethanol, 2-butoxy- (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN .beta.-Butoxyethanol  
CN 2-Butoxy-1-ethanol  
CN 2-Butoxyethanol  
CN 2-n-Butoxyethanol  
CN 3-Oxa-1-heptanol  
CN Butyl Cellosolve  
CN Butyl Cellu-Sol  
CN Butyl glycol  
CN Butyl monoether glycol  
CN Butyl Oxitol  
CN C4E1  
CN Chimec NR  
CN Dowanol EB  
CN EGBE  
CN Ektasolve EB  
CN Ethylene glycol butyl ether  
CN Ethylene glycol mono-n-butyl ether  
CN Ethylene glycol monobutyl ether  
CN Ethylene glycol n-butyl ether  
CN Gafcol EB  
CN Glycol butyl ether  
CN Glycol EB  
CN Glycol monobutyl ether  
CN Minex BDH  
CN Monobutyl glycol ether  
CN n-Butyl cellosolve  
CN O-Butyl ethylene glycol  
CN Poly-Solv EB  
FS 3D CONCORD  
MF C6 H14 O2  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, APILIT, APILIT2, APIPAT, APIPAT2,  
BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD,  
CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST,  
CHEMSAFE,  
CIN, CSCHEM, CSNB, DETHERM\*, DIPPR\*, EMBASE, GMELIN\*, HODOC\*, HSDB\*,  
IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC,  
PDLCOM\*, PIRA, PROMT, RTECS\*, SPECINFO, TOXLINE, TOXLIT, TULSA, ULIDAT,  
USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

n-BuO—CH<sub>2</sub>—CH<sub>2</sub>—OH

4159 REFERENCES IN FILE CA (1967 TO DATE)  
143 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4164 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
34 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s e3  
L1 1 "DIETHYLENE GLYCOL MONOBUTYL ETHER"/CN  
=> d 1 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 112-34-5 REGISTRY  
CN Ethanol, 2-(2-butoxyethoxy)- (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 2-(2-Butoxyethoxy)ethanol  
CN 3,6-Dioxa-1-decanol  
CN BDG  
CN BDG-NS  
CN Butadigol  
CN Butoxyethoxyethanol  
CN Butyl Carbitol  
CN Butyl diglycol  
CN Butyl Diglysolv  
CN Butyl digol  
CN Butyl dioxitol  
CN Butyl Oxitol glycol ether  
CN Diethylene glycol butyl ether  
CN Diethylene glycol mono-n-butyl ether  
CN **Diethylene glycol monobutyl ether**  
CN Diethylene glycol n-butyl ether  
CN Diglycol monobutyl ether  
CN Dowanol DB  
CN Ektasolve DB  
CN Ethanol, 2,2'-oxybis-, monobutyl ether  
CN K 50181  
CN n-Butyl carbitol  
CN NBC  
CN NBC (solvent)  
CN O-Butyl diethylene glycol  
CN Poly-Solv DB  
FS 3D CONCORD  
DR 210818-08-9  
MF C8 H18 O3  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,  
CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM\*, DIPPR\*, EMBASE,  
HODOC\*,  
HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC,  
PDLCOM\*, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USPAT2,  
USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2970 REFERENCES IN FILE CA (1967 TO DATE)  
84 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2974 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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